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CENTRAL FAX CENTER Docket No. CHEN0006
JUL 28 2008 US App. No. 10/568,849

IN THE CLAIMS:

Claims 1-32. (canceled)

33. (currently amended) An automobile alarm system comprising an alarming and monitoring sensor, a communication module, a pickup, a CPU module, and a camera device, one or more camera devices, and/or one or more numerical code camera devices, characterized in that:

the camera device comprises a visible light camera device, an infrared camera device, and a thermo-luminous electric infrared camera device, wherein the thermo-luminous electric infrared camera device receives the radiation emitted from the object to be monitored;

the CPU module receives images captured with the camera device, and/or the numerical code camera devices and that the CPU module runs a face identification system which includes a facial characteristics identification program, and/or a biological characteristics identification program and a biological characteristics identification database, wherein the facial characteristics identification program includes a facemask identification subprogram, a facial ornaments identification subprogram, a face tilt identification subprogram, and a facial unusual expression identification subprogram.

34. (canceled)

35. (previously presented) The automobile alarm system defined in claim 33, wherein said automobile alarm system includes a device to promptly ask the person to be identified to take corresponding action and to retake his/her images for face identification when the CPU module runs the facial characteristics identification program.

36. (currently amended) The automobile alarm system defined in claim 33, wherein said automobile alarm system includes a head up display and camera devices with forward and backward and sideward directions inside and outside a vehicle, said head up display selectively displays the images captured with the visible light, low light camera device[[s]] and/or numerical code camera devices, the infrared camera devices and/or numerical code camera devices device, and the thermo-luminous infrared camera devices and/or numerical code camera devices device, forming a night viewing, side/back viewing head up display system.

37. (canceled)

38. (currently amended) The automobile alarm system defined in claim 33, wherein

Docket No. CHEN0006
US App. No. 10/568,849

said automobile alarm system includes monitoring sensors~~[[5]]~~ and camera devices ~~and/or numerical code camera devices~~ set up under the chassis, and a automobile burglar alarm program run by the CPU module.

39. (currently amended) The automobile alarm system defined in claim 33, wherein said automobile alarm system comprises an automobile status recorder ~~(auto-black-box)~~ for burst events recording the images and data information captured by the camera devices device or the monitoring sensors before, when and after the burst event occurs, which will be read out for analysis after the burst event occurs or transmitted to a control center by the ~~radio communication module system for filing or making other~~ processing.

40. (currently amended) The automobile alarm system defined in claim 33, wherein said automobile alarm system includes an iris identification system, ~~and/or~~ a retina identification system, ~~and/or~~ a voice recognition, ~~and/or~~ a handwriting identification.

41. (currently amended) A burglar alarming method for an automobile vehicle comprising:

verifying the location where a person attempts to enter the vehicle by taking an image of the person;

sending the image to a CPU module;

verifying whether or not the person is a legal driver of the vehicle by using a facial characteristics identification program and a specially designated facial characteristics database, wherein the facial characteristics identification program includes a facemask identification subprogram, a facial ornaments identification subprogram, a face tilt identification subprogram, and a facial unusual expression identification subprogram;

if the person is found as an illegal driver, starting an alarm and communication program to collect the data on face image of the person who has entered the vehicle ~~and/or the or~~ images and information in the vehicle captured by a camera device, after packing or non-packing the image data according to each packing protocol for the image transmission, and then transmitting these images the face image of the person, the images and information in the vehicle and voice data or packed image and voice data and other automobile status information and preset each kind of information to a preset remote monitor and control center for alarming;

starting a burglar and anti-robbing control system program and implementing the commands sent from the vehicle ~~and/or or~~ preset burglar and anti-robbing measures to carry out

Docket No. CHEN0006
US App. No. 10/568,849

vehicle burglar and anti-robbing control.

42. (currently amended) A facial identification method for detecting whether or not a person wears a mask comprising:

providing a visible light, ~~low light camera or digital~~ camera device, an infrared ~~camera or digital~~ camera device, and a thermo-luminous infrared ~~camera or digital~~ camera device, wherein the thermo-luminous infrared camera device receives the radiation emitted from the person to be identified;

taking an image of the person to be identified with the visible light, ~~low light camera or digital~~ camera device, the infrared ~~camera or digital~~ camera device, and the thermo-luminous infrared ~~camera or digital~~ camera device, respectively;

comparing the images of the person taken with the visible light, ~~low light camera or digital~~ camera device, the infrared ~~camera or digital~~ camera device, and the thermo-luminous infrared ~~camera or digital~~ camera device, so as to determine whether the person wears a mask that transmits infrared light, but not visible light, or that transmits neither infrared light nor visible light by using a facial characteristics identification program, a biological characteristics identification program and a biological characteristics identification database, wherein the facial characteristics identification program includes a facemask identification subprogram, a facial ornaments identification subprogram, a face tilt identification subprogram, and a facial unusual expression identification subprogram.

43. (previously presented) The automobile alarm system defined in claim 33, wherein said automobile alarm system comprises an anti-interference radio communication alarming system, an anti-interference radio communication system, and an anti-interference radio communication monitoring system.

44. (canceled)

45. (currently amended) The automobile alarm system defined in claim 33, wherein said automobile alarm system ~~can be connected~~ is coupled to a network for its application through radio communication, cable communication, or a remote network monitor system having a facial identification function.

46. (currently amended) The combination defined in claim 33, wherein said automobile alarm system includes a network monitor program having a facial characteristics identification program, ~~and/or~~ and a monitor program for making facial identification of the person who wears

Docket No. CHEN0006
US App. No. 10/568,849

facemask or facial ornaments.

47. (new) The automobile alarm system defined in claim 33, wherein the camera device comprises a numerical code camera device.

48. (new) The burglar alarming method for an automobile vehicle defined in claim 42, wherein the step of comparing the images of the person comprises the following steps:

if the images of the person do not match the biological characteristics identification database, running the facial ornaments identification subprogram, the face tilt identification subprogram, and the facial unusual expression identification subprogram;

if the person is still identified as an illegal driver after running the facial ornaments identification subprogram, the face tilt identification subprogram, and the facial unusual expression identification subprogram, then sending an alarm.

49. (new) The burglar alarming method for an automobile vehicle defined in claim 48, wherein the step of running the facial ornaments identification subprogram, the face tilt identification subprogram, and the facial unusual expression identification subprogram comprises providing a prompt to the person asking the person to remove ornament, or correct facial unusual expression, or direct his face to the camera device, or retake his face images.

50. (new) The burglar alarming method for an automobile vehicle defined in claim 42, wherein the step of comparing the images of the person comprises the following steps:

if the thermo-luminous infrared camera device cannot receive normal infrared radiation from the person or only receives very weak infrared radiation from the person, providing a prompt to the person asking the person to remove mask and retake his face images; and

if the person is still identified an illegal driver after removing the mask, or the person refuses to remove the mask, then making an alarm.